

10/506301

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DUCEN THOMAS

Printed Name

Ducen Thomas

Signature

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Ganapathy Gopalrathnam, et al. )  
National Phase of PCT )  
Serial No. : PCT/US2003/005046 )  
International )  
Filing Date : 27 February 2003 )  
For : Activated Protein C Formulations )  
Docket No. : X-15199 )

**INFORMATION DISCLOSURE STATEMENT SUBMITTED SIMULTANEOUSLY  
WITH NATIONAL PHASE ENTRY**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

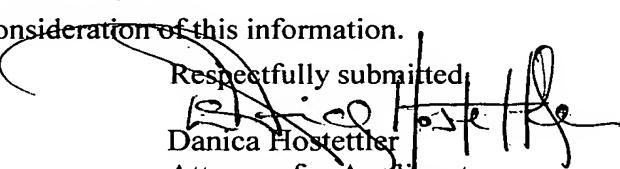
Sir:

As a means of complying with the duty of disclosure, Applicants submit an "Information Disclosure Citation In An Application" on a Form PTO-1449 (modified) and provide a copy of each of the listed documents for consideration by the Examiner. This form is being submitted simultaneously with the U.S. national phase entry for the above-identified PCT application.

Since this Statement is being filed in accordance with 37 C.F.R. 1.97(b),  
Applicants submit that no additional fee is required.

Applicants request consideration of this information.

Respectfully submitted,

  
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Attorney for Applicants  
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Eli Lilly and Company  
Patent Division  
P.O. Box 6288  
Indianapolis, Indiana 46206-6288

September 1, 2004

FORM PTO 1449 (modified)  INFORMATION DISCLOSURE CITATION IN AN APPLICATION		Atty. Docket No. X-15199	Serial No. <b>10/506301</b>
		Applicants Gopalrathnam, et al.	
		Filing Date	Group

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. 1	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Pages or Relevant Figures Appear
	AA	US 4,775,624	10-04-1988	Bang, et al.	
	AB	US 4,849,403	07-18-1989	Stocker, et al.	
	AC	US 4,877,608	10-31-1989	Lee, et al.	
	AD	US 4,981,952	01-01-1991	Yan	
	AE	US 4,992,373	02-12-1991	Bang, et al.	
	AF	US 5,084,273	01-1992	Hirahara	
	AG	US 5,093,117	03-03-1992	Lawrence, et al.	
	AH	US 5,112,949	05-12-1992	Vukovich	
	AI	US 5,175,087	12-29-1992	Ranby, et al.	
	AJ	US 5,395,923	03-07-1995	Bui-Khac, et al.	
	AK	US 5,413,732	05-09-1995	Buhl, et al.	
	AL	US 5,442,064	08-1995	Pieper, et al.	
	AM	US 5,453,373	09-25-1995	Gerlitz, et al.	
	AN	US 5,478,558	12-26-1995	Eibl, et al.	
	AO	US 5,516,650	05-14-1996	Foster, et al.	
	AP	US 5,831,025	11-1998	Ogata, et al.	
	AQ	US 5,962,299	10-1999	Miyata, et al.	
	AR	US 6,008,199	12-1999	Grinnell, et al.	
	AS	US 6,037,322	03-14-2000	Grinnell, et al.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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FORM PTO 1449 (modified)		Atty. Docket No. X-15199	Serial No. <b>10/506301</b>
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		Applicants Gopalrathnam, et al.	
		Filing Date	Group

	AT	US 6,156,734	12-05-2000	Grinnell	
	AU	US 6,159,468	12-12-2000	Carlson, et al.	
	AV	US 6,162,629	12-19-2000	Baker, et al.	
	AW	US 6,268,337	07-31-2001	Grinnell	
	AX	US 6,268,344	07-31-2001	Grinnell	
	AY	US 6,395,270	05-28-2002	Carlson, et al.	
	AZ	US 6,426,071	07-30-2002	Grinnell, et al.	
	AAA	US 6,436,397	08-20-2002	Baker, et al.	
	AAB	US 6,489,296	12-03-2002	Grinnell	
	AAC	US SN 09-652,270		Grinnell	
	AAD	US SN 09-924,129		Grinnell	
	AAE	US 6,630,137	10-07-2003	Carlson, et al.	
	AAF	US SN 10-635,865		Carlson, et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	BA	DE 3,823,519	01-18-1990	Meyer		
	BB	EP 0 314 095	05-03-1989	Lee, et al.		
	BC	EP 0 315 968	03-10-1993	Mori, et al.		
	BD	EP 0 326 014	08-02-1989	Hirahara		
	BE	EP 0 445 939	05-14-1997	Berg, et al		

Examiner Signature	Date Considered
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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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FORM PTO 1449 (modified)		Atty. Docket No. X-15199	Serial No 0709 Rec'd PCT/PTO 01 SEP 2004
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		Applicants Gopalrathnam, et al.	<b>10/506301</b>
		Filing Date	Group

	BF	EP 0 662 513	07-12-1995	Prouty, <i>et al</i>		
	BG	EP 0 726 076	08-14-1996	Miyata, <i>et al.</i>		
	BH	JP 01 226900	09-11-1989			
	BI	JP 07 165605	06-27-1995	Nakagawa		
	BJ	JP 08,301,786	11-08-1996	Takahashi, <i>et al.</i>		
	BK	WO 91-12320	08-22-1991	Miyagi, <i>et al.</i>		
	BL	WO 95-11966	05-04-1995	Ogata, <i>et al.</i>		
	BM	WO 97-20043	06-06-1997	Garner, <i>et al.</i>		
	BN	WO 98-48818	11-05-1998	Carlson, <i>et al.</i>		
	BO	AU 9892449	04-12-1999	Linnau, <i>et al.</i>		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or country where published.		T <sup>6</sup>
	CA	GRINNELL, <i>et al.</i> , "Trans-Activated Expression of Fully Gamma-Carboxylated Recombinant Human Protein C, An Antithrombotic Factor," <u>Bio-Technology</u> 5:1189-1192, 1987.		
	CB	YU-CHANG, J.W. and HANSON, M.A. (1988) "Parenteral formulations of proteins and peptides stability and stabilizers" <u>Journal of Parenteral Science and Technology</u> 42(Supp): S3-S26.		
	CC	STEINER, S.A., <i>et al.</i> , "imulation of the Amidase and Esterase Activity of Activated Bovine Plasma Protein C by Monovalent Cations" <u>Biochemical and Biophysical Research Communications</u> 94(1):340-347 (May 14, 1980).		
	CD	ESMON, C.T., "The Regulation of Natural Anticoagulant Pathways" <u>Science</u> , 235:1348-1352 (March 1987).		
	CE	SEGEL, I., "Enzyme Kinetics" (1975) Wiley Interscience, New York, pp. 884-896.		
	CF	ZEFFREN, <i>et al.</i> , "The Study of Enzyme Mechanisms" (1973) John Wiley & Sons, New York, p. 84.		

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